

Claims

1. A screw for medical purposes comprising

a screw body having

- a head portion having a facial end face,
- a shaft portion extending from said head portion from an end opposite to said facial end face along an axial direction of said screw body
- a threading provided on an outer side of said shaft portion, and

at least one axially extending groove cut into an outer side of said screw body, said at least one groove extending along said head portion and an entire length of said shaft portion, said at least one groove being provided for inserting a drive element of a driving tool therein.

2. The screw of claim 1, wherein a depth of said at least one axial groove is such that said drive element of said driving tool lies within said at least one axially groove and does not extend beyond an outer periphery of said screw body.

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3. The screw of claim 1, wherein said depth of said at least one axially groove is such that said drive element of said driving tool is housed within said groove without extending radially beyond said threading of said shaft portion.

4. The screw of claim 1, wherein at least one recess is provided in said facial end face of said head portion, a corresponding projection on said tool can be introduced into said recess for centering said tool on said screw.

5. The screw of claim 4, wherein said recess is configured as a channel completely passing through said screw body.

6. The screw of claim 1, wherein several axially extending grooves are provided to be distributed uniformly about a circumference of said screw body.

7. The screw of claim 6, wherein up to five axial extending grooves are cut into said outer side of said screw body.

8. The screw of claim 1, wherein said at least one axially extending groove is open axially at said facial end face end of said head portion.

9. The screw of claim 8, wherein a bridge is provided for bridging said at least axially extending groove in a circumferential direction.

10. The screw of claim 9, wherein said bridge is provided in said head portion of said screw body.

*Debt Paid* N. The screw of claim 1, wherein a bridge is provided for bridging said at least one axially extending groove in an circumferential direction of said screw body, said bridge is formed by said outer threading of said shaft portion.

12. The screw of claim 1, wherein it is made of a biodegradable material.

13. The screw of claim 1, wherein it is configured as an interference screw for anchoring a transplant in an opening in a bone.

14. The screw of claim 13, wherein said transplant is selected from the group consisting of a tendon and a ligament.

15. A tool for rotating a screw for medical purpose, said screw comprising a screw body having a head portion having a facial end face, a shaft portion extending from an end opposite to said facial end face along an axial direction of said screw body, a threading providing on an outer side of said shaft portion, and at least one axially extending groove cut into said outer side of said shaft portion, wherein said tool comprising at least one rod-like drive element which can be inserted into said at least one axially extending groove.

16. The tool of claim 15, wherein said at least one drive element is configured in said it can be slit in a longitudinal direction from said head portion of said screw into said axial groove.

17. The tool of claim 15, wherein at least one projection extends from said tool in a direction directed to a recess in said facial end face of said head portion of said screw, said projection penetrates into said recess when said tool is mounted on said screw.

18. The tool of claim 15 having several drive elements for inserting into a screw having a corresponding number of several axially extending grooves, said drive elements are cross-connected to one another by at least one circumferential bridge.

19. The tool of claim 18, wherein breakage points are provided between said drive elements and said bridges.

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